

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 03/00962

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02M 3/135, H02M 3/335  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6452815 B1 (LIZHI ZHU), 17 Sept 2002 (17.09.02), column 1, line 13 - column 2, line 53 --	1-6
A	US 4953068 A (CHRISTOPHER P. HENZE), 28 August 1990 (28.08.90), column 1, line 7 - column 2, line 37 --	1-6
A	PATENT ABSTRACTS OF JAPAN Vol. 1995, no. 02, 31 March 1995 (1995-03-31) & JP 63 11743 A (SANKEN ELECTRIC CO LTD) 4 November 1994 (1994-11-04) see figures and abstract --	1-6

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 December 2003

Date of mailing of the international search report

16-01-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 1069675 A1 (MAGNETEK S.P.A.), 15 July 1999 (15.07.99), column 1, line 3 - column 2, line 24</p> <p style="text-align: center;">-- -----</p>	1-6

# INTERNATIONAL SEARCH REPORT

Information on patent family members

01/12/03

International application No.

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Patent document cited in search report				Publication date	Patent family member(s)	Publication date
US	6452815	B1	17/09/02	US	2003002304 A	02/01/03
US	4953068	A	28/08/90	NONE		
EP	1069675	A1	15/07/99	NONE		